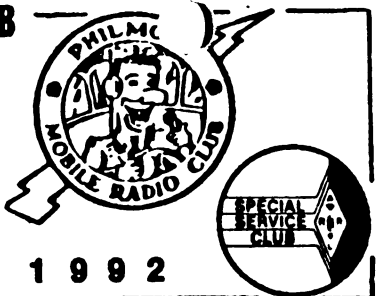


PHILMONT MOBILE RADIO CLUB
W3RQZ-W3TKQ-W3QV

BLURB
MAY



A
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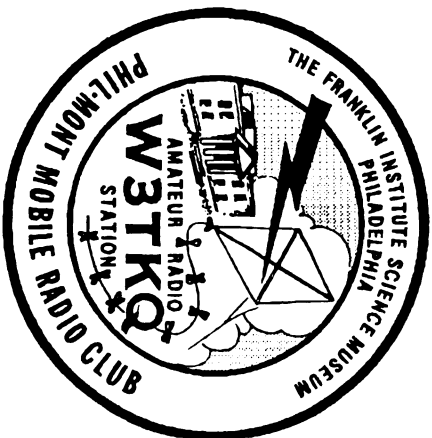


JAKE SAID SOMETHING ABOUT
WE ARE NOW PART OF THE POLISH
NATIONAL TRAFFIC SYSTEM!

THE BLURB

A Publication of

THE PHIL-MONT MOBILE RADIO CLUB, INC.
2113 EDGEHILL DRIVE, FURLONG, PA 18925



FIRST CLASS MAIL

VIRGINIA J. HARING
2113 EDGEHILL DRIVE
FURLONG PA

W3IIN
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18925

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$10.00 addressed to the Treasurer. The club meets at 7:30 PM on the first non-holiday WEDNESDAY of every month at The Franklin Institute Science Museum, Benjamin Franklin Parkway at 20th Street, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday Thursday of every month
at The Franklin Institute Science Museum -
doors close at 6:30 PM-SHARP!

CLUB INFORMATION

24-Hour Information Number at W3TKQ - **(215) 448-1139**
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444.80 MHz (186.2 Hz PL)
Simplex frequency: 147.51 MHz
Packet BBS frequency at W3TKQ-10: 145.05 MHz
Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB
W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS
W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee W3PWG
ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

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SECRETARY: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061
TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

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W3BBB (92); KC2HX (92); AK2I (93); W3IIM (A); K3KUD (A); N2RM (93); W3RM (A)

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Special Liaison to The Franklin Institute Science Museum: AK2I

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215-794-7623

Artist: Sam Kuncevic

N3DHI, WB3KOJ

Publisher/Typist: W3IIM

DEADLINE: To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET (ends 6/16)
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET



APPLE BYTES

Don Gordon, WB3KOJ

MAY BIRTHDAYS

- 02 Jack Haring - W3IIM
 - 05 Paul Policarpo - N3GMH
 - 06 Mildred Stouth (XYL W3ZPP)
 - 07 Dick Bechtel - W3CBF
 - 08 Bill Wiand - N3WW
 - 10 *Bob Ross - N2OML
 - 11 Lorraine Isherwood (XYL KA2VTR)
Margaret Wiand (XYL N3WW)
 - 12 Bob Henderson - KA3MHO
 - 15 Woody Haldeman - W3PST
 - 17 Carter Craigie - KD3AO (OM KC3LM)
Dottie Trueax (XYL WF2X)
 - 20 Bob Field - WA3INW
 - 22 Winnie Miller - K3RAB
 - 26 Bonnie Malone - WB3GBN
Judy Parker (XYL N3KGGH)
 - 27 Jack Kennedy - K3OWY (OM K3FXP)
 - 29 Marty Gold - K2ID
 - 30 Bill Chedeville - W3GQD
- *New member, see below

HELP PHIL-MONT

Are you planning to join the ARRL or renew your current membership?
Remember: The ARRL is more than just a magazine subscription!
Help Phil-Mont by joining or renewing through the club.
Contact KB3IV for the details.

DIRECTORY UPDATES

(No Runs... No Hits... ONE ERROR)
So far one mistake has been brought to my attention...
please change W3WW TO N3WW... SORRY BILL!

NEW MEMBER

Add BOB ROSS - N2OML, 3 Larsen Park Drive, Medford, NJ 08055
Home: (609) 985-5224 Work: (215) 238-4952

Greater South Jersey SPRING HAMFEST



Saturday, May 9, 1992
8:00 AM to 3:00 PM
National Guard Armory
Haddonfield Road
Cherry Hill, N.J.



Amateur Radio – Computers – Electronics

(Proceeds benefit the section wide ARES/NTS/SETVARN repeater system)

Indoor Display Area for 100 Plus Tables
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Films about Amateur Radio

For more information: Write 15 E. Camden Ave, Moorestown, NJ 08057
or Call 609-234-3926, or 609-625-1742

CLUB INFORMATION
24 Hour Information Number at W3TKQ
(215) 448-1139

The PREZ SEZ

Bill Popovic, N3FVI



What better use for your amateur radio gear than to save a life? The public-service season is here.

Hundreds of amateurs will volunteer their time and equipment to improve public safety, and give amateur radio some desperately needed publicity. Public service is one of the few good reasons we have to keep the multi-billion dollars worth of radio spectrum we now possess. Do your part in preserving our hobby.

Phil-Mont will again provide health and welfare communications for the Corestates bike race on Sun-

day, June 7. If you haven't participated, please try this year. The new non-holiday date (not Father's Day) will make the crowd larger than ever. The race receives international news coverage. Try it, you'll like it! Almost everyone who helped last year was there the prior year. If you can't make it on 6/7, the Cancer Society's Bike-tour, from Philadelphia to Atlantic City Race Course, will be held on Sunday 7/12.

If you can help with either event, please contact PMRC special event director Charlie, KA3EBC, or me.



LOOKAHEAD

- May 6 **General Meeting Program:**
N3AOG, Dick Comly
"Is there life above 450 MHz?"
- May 7 License Examinations
May 20 Directors' Meeting—
location to be announced.
- June 3 **General Meeting**
June 4 License Examinations
June 7 Core States Bike Race
June 17 Directors' Meeting at N3GLH's
June 27-28 FIELD DAY
- July 1 **General Meeting**
July 2 License Examinations
July 12 American Cancer Society Bikeathon
July 15 Directors' Meeting at W3BBB's
- Aug 5 **General Meeting**
Aug 6 License Examinations
Aug 19 Directors' Meeting at
W3IIM & N's

HAMFESTS

- May 9 CHERRY HILL, NJ
Greater South Jersey Hamfest
- May 17 WRIGHTSTOWN, PA
Warminster ARC
- Jul 26 TIMONIUM, MD
BRATS
- Aug 9 WARRINGTON, PA
Mid-Atlantic ARC
- Aug 16 ALLENTOWN AREA
Delaware Lehigh ARC
- Oct 4 GARDEN STATE RACETRACK
Packrats

Note: The RF Hill Hamfest, formerly held at the Armory in Sellersville, will be held in Dublin (Rt 313 between Doylestown and Quakertown) this year. Date to be announced.

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring a their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1992 test fee is \$5.40; there is no charge for a Novice test.

Monthly, 1st Thursday
The FRANKLIN INSTITUTE
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

Monthly, 3rd Thursday
BELLMAWR, NJ
Bill Helmatag
(609) 546-7710

BRYN MAWR
Bob Haase, W3SA
(215) 293-1919

Monthly, 2nd Wednesday
HUNTINGDON VALLEY
Phil Isard, WF3W
(215) 938-7917

Monthly, 1st Thursday
LEVITTOWN
Dave Heller, K3TX
(215) 946-1040
(215) 736-3333

Monthly, 1st Monday (correction)
POTTSTOWN
Warren Erdman K3ZXQ
(215) 679-5764

Monthly, 3rd Wednesday
RICHBORO
Dave Munson, NM3K
(215) 788-7515

Monthly, 3rd Monday
TELFORD
Warren Erdman K3ZXQ
(215) 679-5764

Monthly, Last Saturday
UNIVERSITY OF PA
Jeff DePolo, WN3A
(215) 898-8538
(215) 386-7199

Odd Months, Last Wednesday
WARMINSTER
Tom Michaud, WA3TQJ
(215) 343-3494

BOAT ANCHORS and PAPER WEIGHTS

FOR SALE — Amp Supply low band linear amplifier, model LA-1000-A Covers 160, 80, 40, 20, 15, 10 meters. The add on kit for 10 meters is installed. Will run on 120 or 240 volt AC line, is now set up for 120v. Uses 4 of 6MJ6 sweep tubes for 700 to 750 watts pep output with only 80 watts of drive power. Asking \$250.00 Contact Bill, N3EMQ, Media, PA. (215) 565-6925

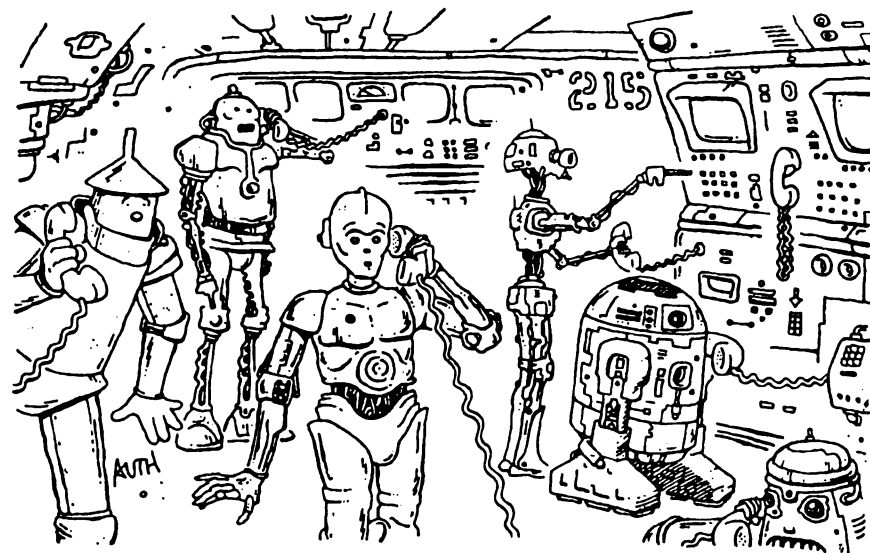
FOR SALE — Paul Smith, KA3QEF, is holding a pre-moving sale of "junk box parts" (no commercial gear) on a name your own price—"No reasonable offer refused" basis. Items include resistors, variable and fixed capacitors, transformers, meter movements (meters), some test equipment, small motors, some tubes, a 1500 volt 200 ma power supply (good for a 300 watt transmitter or amplifier) which uses 866a mercury arc rectifier tubes (included), some TV gear, aluminium sheets, bakelite panel pieces, plastic panels, relays, misc. wire and coax lengths, turntables, magnet wire etc. For information call (215) 459-2783 weekdays from 7pm to 9pm. Sale and phone number at QTH in Aston, PA. Contact Paul, KA3QEF.

from Mobile Sixers' editor John Dyckman

NEWSLETTERS EXCHANGED

Baltimore Radio Amateur Television Society (BRATS)
Cherryville Repeater Association (NJ)
Delaware-Lehigh Amateur Radio Club (DLARC)
Delmont Radio Club
EASTLINK
Mid-Atlantic Amateur Radio Club (MARC)
Mobile Sixers Radio Club
Penn Wireless Association
R F Hill Amateur Radio Club
Reading Radio Club
Sussex Amateur Radio Ass'n (SARA) (Delaware)
Tompkins County Amateur Radio Club (New York)
Warminster Amateur Radio Club
Worldradio Magazine

Exchanges with additional parties are welcomed.



VOICE MAIL CENTRAL!

communications engineer from Bell Labs) has shown that the improvement in bandwidth (lower SWR over a frequency band) relative to the simple dipole is due to resistive loading caused by the resistive loss in the coaxial cable used in the stubs, not from reactance cancellation! I'm sure your technical people recognize that when broadbanding is achieved by resistive loading, the radiated power is reduced by the amount lost to heat dissipation. Consequently, this antenna has a measurable loss relative to a dipole, not a gain! Which makes one wonder what mythological means K7UAE used to measure the "gain(?)" of his dipole? The coaxial stub configuration does indeed reduce the rise in SWR across a band, but at the expense of a loss in radiated power, which is not quite what the builder of a coaxial dipole expects for his efforts.

I am sorry to have to say that your own people who modified and added to WA9PIV's fantasies are also somewhat short in the understanding of antenna principles. First, for not recognizing that WA9PIV's statements are unfounded, and second, for introducing several incorrect statements of their own making, which I point out below.

Except for the following few statements, I'll not rebut Pequignot's, because they have been adequately rebutted in the material appearing in the copies I've enclosed. But to summarize the errors appearing in the "Distributed Capacity Coaxial Dipole Antenna" article:

- 1) The coaxial dipole is a only a dipole, and thus cannot have gain with respect to a dipole.
- 2) Since the coaxial dipole is simply a dipole, the radiation pattern is that of any simple dipole—it is no more non-directional than any other dipole.
- 3) The stubs of the coaxial dipole DO NOT IN ANY WAY FORM A BALUN, as claimed by W9PIV. The coaxial dipole is a BALANCED dipole and should be fed accordingly. (See REFLECTIONS, Chap. 21)
- 4) The increased bandwidth (lower SWR) results from the I^2R power loss dissipated as heat in the resistance in the coaxial cable forming the stubs, and not from reactance cancellation by the parallel-connected reactive stubs. This refutes the W5RRU and WA6FFS statement that attenuation in the cable is negligible, because it most certainly is not.
- 5) The stubs do NOT reduce all harmonics, only the even ones. (Again, see the Coaxial Dipole Analysis paper, page 57, Col. 2.

Before I finish there is one more item that needs discussion. In the October 1991 issue of *Worldradio* Kurt N. Sterba published six true statements in his "AERIALS" column in the form of a true-false test. These statements, attributed to Pat Barthelow, AA6EG, from the NPS ARC as the author, were plagiarized. I'm pleased to see that AA6EG recognized these statements as true before he published them, but I would have been delighted if he had referenced the true author, me, instead of implying that he is the author. These statements were copied verbatim from my REFLECTIONS. You will find them in QST for June 1973, and repeated in Chapter 2 of my book.

I believe it is only fair to your readers to ask that you publish an effective retraction of the erroneous WA9PIV material that appeared in SCUTTLEBUTT, so they will appreciate that the time, effort, and cost involved in constructing a coaxial dipole is not only wasted, but will actually result in less rather than more.

Sincerely,

Walter Maxwell, W2DU
ARRL TA for Antennas and Transmission Lines

Copy: Armond Noble, N6WR

MINUTES

APRIL GENERAL MEETING

Steve Hoch, WU3I, Secretary



N3FVI called to order the 509th general meeting at 7:58 pm on April 1, 1992 (no joke in that). KB3IV reported that the treasury was alive and well; expenses outpaced income by \$35.96, but we are still in the black (expenses pending for the trips to St. Croix and Florida).

There was a reminder for those interested in going to Dayton that there was still time to catch the bus from KC2Q for the convention. N3FVI mentioned the SPECTRUM PROTECTION BILL published in last month's *BLURB*, and presented at the last general meeting by Ted NZ3Q (see page 19, April *BLURB*).

WU3I, for W3IIN, reported that there was one new member voted-in at the last board meeting. He is Mark Zaharchuk, WA3CRM—WELCOME MARK. There were three new member applications published in the April *Blurb*, they are Jay, N3JMC; Bill, N3KUJ; and Bob, N2OML. They will be voted on at the April board meeting.

N3FVI and KA3EBC (not together, or in this order) reported on the special events coming up. The Super Cities Walk will be on April 4 & 5, and that volunteers were needed for the Philadelphia and Valley Forge Areas. Interested parties were to contact KA3EBC or KA3WWK. The Corestates Bike Race will be on June 7, (not Father's Day this year), and the American Cancer Society Bikeathon will be on July 12.

The 50-50 was sold by Dave, N3KGG, and picked by Laurie, KA3ZMK, daughter

of Angelo, K3YUN, and was won by Ben, KA3WWK.

AK2I reported on W3TKQ: There will be a Family Night in the Omniverse Theater. Jake also reported that we have 97% of the equipment for the console. The console layout was described by Jake as follows:

- Position 1—dedicated PMRCrig, UHF, and VHF.
- Position 2—packet BBS station.
- Position 3—satellite operations.
- Position 4—TS-950SD hf operations.
- Position 5—TS-450, monitor and Kantronics Kam TNC.
- Position 6—IC-725, monitor for guest operators.
- Position 7—ATV operations.

The wall beside the entryway will be replaced with the glass doors and walls, with construction starting on April 13. The station will be out of service until the work is done, possibly 3-4 days.

A request has been submitted to the ARRL to get on the list for STS-46 in the fall.

Also noted a recent donation from the nice folks at Drake: an R-8 receiver is on the way.

NA2E reported that there were 25 members and 7 guests who were Bob Nicotera, KB2ERL; Ted Martin, KF5LO; Bill Hagerly, N3KUJ; Evan Hagerty, N3LPM; Bob Wolfgang, Jr., N3LVT; Conway Yee, N2JWQ; and Lori Drammissi. KA3ZMK.

The meeting was adjourned at 8:58 PM.

MINUTES

Steve Hoch, WU3I, Secretary

APRIL DIRECTORS' MEETING

N3FVI opened the meeting on April 15th at 8:15 pm at the home of Bill, W3GQD, and his wife Jackie. Attending were N3FVI, AK2I, KB3IV, WU3I, W3s BBB, GQD and K3KUD.

N3FVI reported (in the continued absence of W3IIN, rumored to be somewhere warm and sunny with the editor) that there were three new members to vote on for membership. They are N2OML, Robert Ross; N3JMC, Jay Anderson; and N3KUJ, Bill Hagerty. KB3IV made a motion to accept the applications; WU3I seconded. The vote was unanimous.

KB3IV reported that the club spent three times what it took in this month, as reported at the general meeting, however we are running true-to-form, and no deficit is in the foreseeable future. It was also reported that half the matching funds for W3TKQ have been spent.

W3BBB reported that he and K3KUD had drafted a letter for mailing to try to

obtain a choice Center City remote input location.

AK2I reported that the work in W3TKQ is nearly complete. The Institute has removed the wall and the glass doors are to be installed tomorrow. The TS450 is completely installed with the computer and the KAM. The ATV panel is next.

Jake has contacted Rick Palm from the ARRL about NTS materials—they are on the way. He also contacted Rosalie White for a regular mailing of handout supplies for W3TKQ. N3GMH has donated, to the station, a very nice camera which has a built in character generator that N3FVI has programmed with three messages.

AK2I also reported a schedule conflict for the May board meeting as he will be away.

At 9:35, AK2I made a motion to close the meeting; KB3IV seconded.

Refreshments were delicious thanks to Jackie and Bill.



243 N. Cranor Ave.
DeLand, FL 32720
April 17, 1992

Doug McKinney, KC3RL
President NPS ARC
9 Glenn Ave.
Prunedale, CA 93907

Dear Doug,

Writing the Foreword to my 384-page ARRL hardcover, "REFLECTIONS---Transmission Lines and Antennas," ARRL Executive Secretary David Sumner, K1ZZ, wrote: "Tune in a QSO in the amateur bands where the subject is transmission lines, standing waves, antenna matching, reflected power or antenna tuners, and what do you hear? A lively discussion most likely! The chances are also high that you'll also hear some information that is only half true, or perhaps just plain wrong. Myths and old wives' tales about these related subjects prevail even though some years ago QST carried a series of articles to dispel such misinformation. The series, 'Another Look at Reflections,' by Walt Maxwell, W2DU, appeared as seven parts in QST issues from April 1973 to August 1976...This entire series has been used as a basis for the first seven chapters of this book..."

I can think of no subject in the annals of Amateur Radio literature that suffers more indignity from myths, misconceptions and ignorance than that of antennas and transmission lines. The endless displays of such ignorance, both on the air and in print, provided the motivation for writing the original QST "Reflections" articles and the more recent larger work, the 24-chapter book mentioned above. How do these myths originate? By otherwise intelligent people who talk and write about this particular subject as if they really knew what they were talking about. In the worst case, after wheeling past unsuspecting and equally unknowing editors, these writers somehow manage to get their erroneous writings published. Then, when the reader sees the material in print, he believes it because it's in print---after all, didn't a knowledgeable editor check it for technical accuracy? Of course (he thinks)---in a reputable journal the reader assumes the material is presented accurately. He reads the material because he hopes to learn from it---but how is he to know that what he's reading is totally incorrect? Obviously he can't, because his knowledge of the subject is still too thin to differentiate between the correct and the incorrect. But then he spreads his newly learned "knowledge" to a group of his buddies, and the misinformation propagates with chain letter effectiveness.

So you ask, why am I dumping all this on you? Because Armond Noble, N6WR, the editor of *Worldradio* sent me a copy of your February issue of *Scuttlebutt*, which he knew would make my blood pressure rise when I read an article that appears there entitled, "Distributed Capacity Coaxial Dipole Antenna." Of all the erroneous antenna material I've read over the years, this article has more erroneous statements per paragraph than any other I've ever seen. I recognize the first two columns as vintage WA9PIV, along with K7UAE's vacuous claim of a dipole having gain over a dipole. That one statement alone proves K7UAE's ignorance of antenna principles. And in the 17 years since I first saw mimeographed copies of WA9PIV's fantasies I have never been able to find a single correct statement in them concerning the coaxial dipole, also known as the "Double Bazooka".

On reading Pequignot's concoction I became so annoyed that I published an article in *Ham Radio* entitled, "A Revealing Analysis of the Coaxial Dipole Antenna," in an attempt to correct the damage. This 14-page analysis that appeared in August 1976 explains in great detail why this antenna cannot perform as WA9PIV and K7UAE claim. I carefully rebutted Pequignot's erroneous statements, one by one, especially toward the end of the Analysis. A photocopy of the Analysis is enclosed for your convenience. In addition, so that all ARRL members would have a chance to learn why the coaxial stubs in the coaxial dipole do NOT contribute to any broadbanding of the antenna resulting from reactance cancellation, QST published my summary of the Analysis in the September 1976 issue, of which an updated version appears as Chapter 18 of REFLECTIONS, a copy also enclosed. Please note in Para 18-3 of the updated version in Chapter 18 that Frank Witt, A11H, (a retired

243 N. Cranor Ave.
DeLand, FL 32720
April 17, 1992

Editor, THE BLURB
The Phil-Mont Mobile Radio Club, Inc.
2113 Edgehill Drive
Furlong, PA 18925

Dear Editor,

Armond Noble, N6WR, editor and publisher of *Worldradio*, sent me a photocopy of page 17 from your February 1992 Issue, presenting dimensional details for constructing a "Double Bazooka" antenna, apparently submitted by K3JJQ. Armond also sent me a copy of an article of similar nature that appeared in the Naval Postgraduate School Amateur Radio Club's monthly paper, the SCUTTLEBUTT.

I responded to the SCUTTLEBUTT article, a copy of which is enclosed for your information. I am sending you this material because I thought it might also be helpful for your readers who contemplate constructing such a useless, time consuming, and costly antenna project. Note especially in my reply that the reduction of mismatch over a frequency band results from resistance loss in the coaxial stubs, not from reactance cancellation as presumed, and that the antenna CANNOT have any gain whatsoever relative to a dipole, because it is still just a dipole.

I believe the other material I've enclosed is self explanatory, and I hope it will be useful information for your members.

Sincerely,

Walt
Walter Maxwell, W2DU, ARRL TA for
Antennas and Transmission Lines

Copy: Armond Noble, N6WR

Editors's note: The additional technical information, mentioned in the above letter, is available upon request.

W3TKQ Operators' Net

The last Wednesday of every month.
Don't Miss It!

FCC takes more aggressive stance on compliance

BY BRIAN GILLOOLY Baltimore

With the rapid shift upward in the clock speeds of PCs, and the proliferation of the industry, the Federal Communications Commission is taking a more vigilant stance toward vendors and resellers that fail to register systems for compliance to the agency prior to sale.

The FCC is beginning a regional campaign to track down PCs that have not been tested for excessive radio-frequency, or RF, emissions, and has increased the level of fines it can impose on violators. The commission is concerned that microprocessor clock speeds reaching into the 66MHz and 100MHz range will soon exacerbate an already serious problem at lower ranges.

Charles Cobbs, chief of the equipment authorization branch of the FCC's Office of Engineering and Technology, said the compliance rate among vendors and resellers dropped over the past year. "The way PCs are being marketed, they are being scattered" with little regard to FCC regulations, he said.

Systems not in compliance with FCC regulations can interfere with radio-frequency wavelengths used by aviation, maritime and public safety agencies such as police and firefighters. Robert Mroz, engineer in charge for the Baltimore district of the FCC, which covers a five-state area, said a survey of local resellers and vendors conducted by the region's field bureau last summer found about 60 percent of PCs were not FCC-certified.

Cobbs gave an extreme example of non-compliance. At a computer show in January in Gaithersburg, Md., he said, FCC representatives found only three vendors in 100 had FCC labels on their systems. "Later at the lab, we found two of those had false ID

numbers," he said. "If that's any indication [of the bigger problem], we're in deep trouble." He said the goal is to attain 90 percent to 95 percent compliance among vendors and resellers.

Random Sampling

To help bring more vendors and resellers in compliance, Mroz sent a letter to 10,000 manufacturers and resellers in his region to inform them the FCC will be conducting random "sampling" of companies by telephone and personal visit to be sure they understand FCC requirements. The letter also details the applicable fines and tells the recipient how to determine if a machine is in violation of FCC regulations.

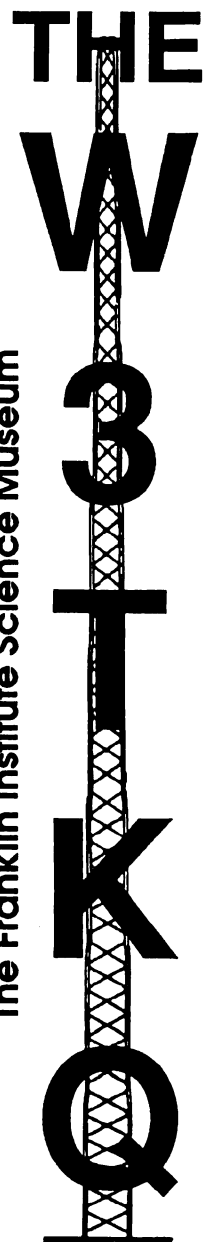
Each year, Mroz said, the FCC evaluates areas of concern for RF interference, and has determined the computer industry as one of its primary targets. This fiscal year also brought an increase in fines, he said. For example, Mroz can levy fines of up to \$25,000 per offense without consulting the federal office. Maximum fines for businesses can reach \$200,000.

Mroz said if most users are buying the major PC brands, they are probably in compliance, but Cobbs said that with more users buying on price, less-reputable makers are beginning to pick up market share.

"These rules apply just as much to resellers [as to vendors]," said Cobbs. "It's not illegal to own [a non-certified machine], but it is illegal to sell or offer to sell one."

One solution for Value Added Resellers (VARs) building their own systems is to buy bare-bones PCs certified for the case, power supply and motherboard. By adding certified peripherals, the PC is likely in compliance, he said.

Computer Reseller News



REPORT

by
Jake Kovalchek,
AK2I

...and The Wall Came a Tumblin' Down!

Well, as you can guess by the opening statement, the wall separating W3TKQ from the public, at The Franklin Institute, has indeed come down, and in its place is a beautiful glass wall from one end to the other, with sliding doors opening from the middle. When they are fully open, they offer a five foot opening to the public, as well as a full panoramic view of the entire station from the very end of the hallway. As far as thirty feet away you cannot help but identify the station as one of the most appealing and attractive amateur radio stations in the world... especially when the station equipment is fully operational at all the console positions.

We, the volunteers of W3TKQ, wish to thank the men and women of The Franklin Institute—whose faith in us is revealed in the new installation—for what they have done for us. Your trust and recognition of the work we have accomplished at The Institute will not be forgotten. We all thank you very much, especially, Dr. James L. Powell, Henry Disston, Bobbie Dillon, and John McDevitt, all of whom played a major role in trusting us to provide the very best of amateur radio.

By far, the favorite attraction for the viewing public is the satellite operation—console position number three. The story it tells, and the wonderment it reveals through its operation, is simply marvelous to watch, as well as extremely interesting to hear... especially if you're the operator at the console. Can you just imagine your voice going 22,000 miles to the satellite, and being beamed back down to you (another 22,000 miles) all in a split second? The real thrill is when you put on the headsets, and hear yourself coming from the satellite a split second after you speak... a marvelous, thrilling, and almost comical sensation. You cannot help but smile in anticipation of your next contact.

The wall is gone and another major step forward has been completed by your club. We believe that The Phil-Mont Mobile Radio Club has moved the entire amateur radio community into the next generation of service clubs in and for our community. Your President, N3FVI, and his staff of officers of The Phil-Mont Mobile Radio Club, are to be congratulated for their work on this project. It's most gratifying for me to see it all come together in my lifetime.

2/25/92

Dear Jack & Jinny,

'Would have written sooner, however, I wanted to wait until I got my new QSL cards. (Thought that you would enjoy the artwork!) I am very happily settled in here in Florida. I have purchased a very nice double-wide "manufactured home" in Tropicana Park, about 1/2 mile above Shell Point [former residence of W3UQ-Ed] and the Sanibel Causeway, off of MacGregor Blvd.

My new home seemed to be sitting here waiting for me! It has 2 bedrooms, 1 1/2 baths, an 11x20 living room and a screened porch, among other things. It also has a 10x15 utility shed in which I have both electronic and mechanical workbenches. The rear of the property backs up to a private home development having large lots, therefore I am not boxed-in. I purchased a 70 ft. all-band antenna which is supported at the rear of the property up a 40 ft. tree!

I bought a Yaesu FT-707 transceiver, 100W output, at a ham-fest here, and have worked 20 countries with it so far from here. Fort Myers has a very active group of hams with a lot of 2 Meter activity. I will be joining the Fort Myers Amateur Radio Club and the West Coast Amateur Radio Club, the latter of which sponsors the area repeaters.

I am also becoming active in RACES and have been invited to join a new Sanibel Island RACES-associated repeater group, which I am going to do. The Sanibel police are changing from 154 MHz to 800 MHz, as are all police groups down here, and are turning-over their Motorola repeater (on 154 MHz) to RACES/amateur radio. I plan to be very active with the Sanibel group.

K3PHC was up in Port Charlotte for two days last week, and I talked with him quite a few times on 2 Meters. I am on the Phil-Mont 10 Meter Net every Sunday (28.993 - 10AM) and usually am S9 up in Philly.

My company, United Engineers, had wanted me to work part-time as a consultant on projects in the State of Florida, however, this work has been since turned over to a Raytheon sister company, Badger, in Tampa. I do not know if I will be able to work for them. If not, I will look for part-time work locally.

Regards, Gil

Editor's note: Gil recently learned that United Engineers would resume using his services on a part-time basis. Based on that information, Gil is now happily planning the purchase of a small outboard runabout.

Jinny and I recently visited with Gil on two separate days. He helped me install a permanent 2-meter antenna so we could reliably communicate from our home to any of the local repeaters. When we met him at the marina, he commented that he had previously been a passenger in our boat (when it was owned by W3SGR, and kept in Beach Haven). After lunch on Cabbage Key the weather turned bad, so he spent the night with us.

We spent part of another day visiting him at his new home, then followed-up with lunch at South Seas Plantation.

The best surprise was his unscheduled Bon Voyage visit to the airport just prior to our departure for home!

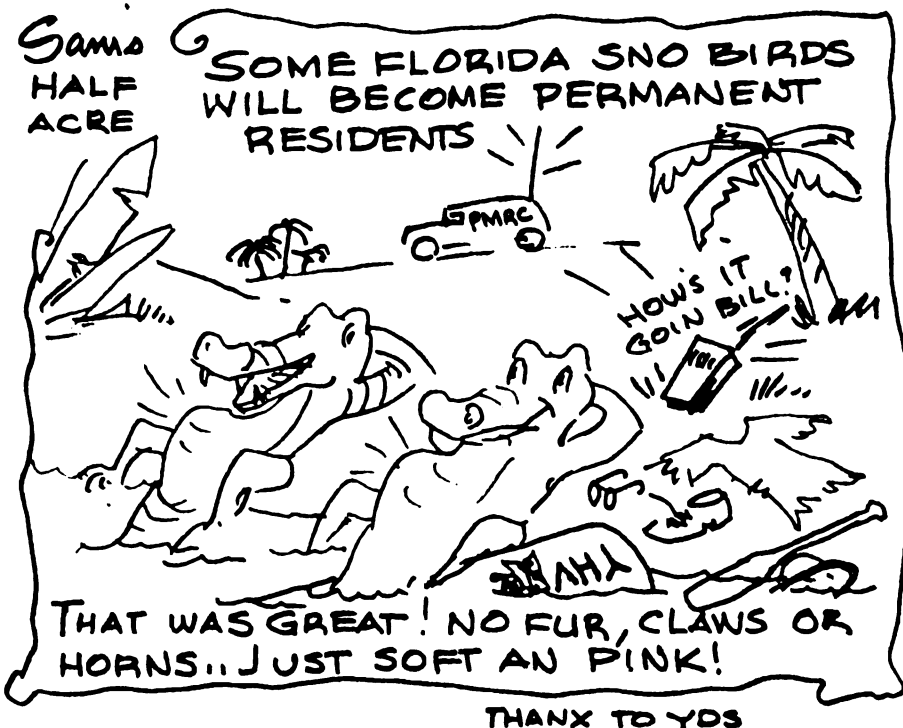
We're happy for Gil, who, for years, has wanted to live in Fort Myers, near Sanibel Island. We're gratified to have finally gotten the opportunity to know Gil better. Too bad he had to move so far away before it happened!

FORT MYERS, FLORIDA "CITY OF PALMS"

W3SRU/4



73. HOWARD (GIL)



THANKX TO YDS

LIBERTY SHIP COMING TO PORT

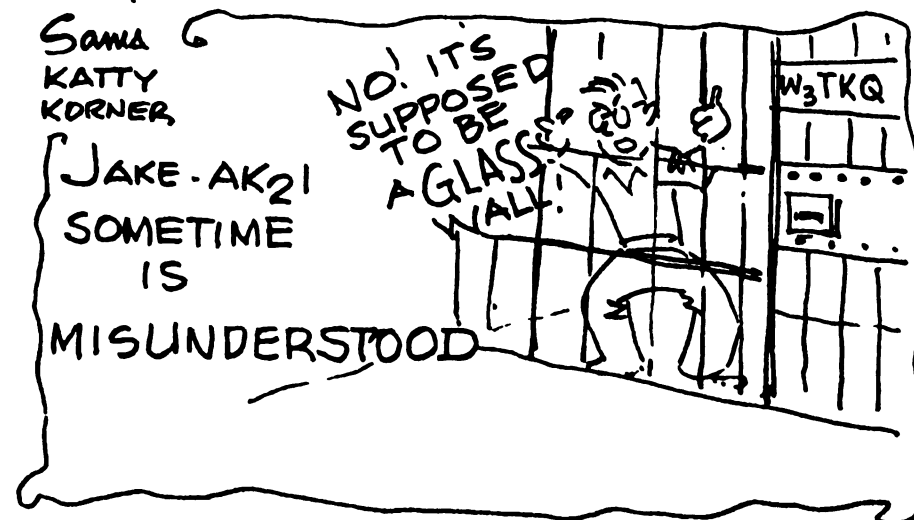
On May 15, 1992, at approximately 5:00 PM, the SS JOHN W. BROWN will be docking in South Camden at the Dole Company pier. The BROWN is the last World War II Liberty Ship on the East Coast. The ship has been restored to its original condition, including its armament. All the restoration has been done by volunteers; Merchant Marine veterans of WWII and Navy Gun Crew veterans who sailed on these merchant ships.

The ship's homeport is Baltimore, Maryland, where the ship was built in 1942. The BROWN is one of 2700 Liberty Ships built for war service. The BROWN has been certified as seaworthy by the U.S. Coast Guard. In addition, the Coast Guard has exempted the BROWN from current pas-

senger ship standards so that she may carry passengers on short daytime cruises.

The South Jersey Radio Association has been invited to setup a "Special Event Station." Volunteers will be needed for this operation. This is a wonderful opportunity to put K2AA on the air from a World War II Liberty Ship—one of only 3 surviving Liberty Ships. We also need some additional equipment: 2-meter transmitter and antenna, and HF transceiver so that more than one band can be worked at the same time. May 16 is the day of operation. The ship has a cabin set aside as a Ham Shack which has a Ten-Tec transmitter with a mike, key and tuner; a shaky 5-band vertical is used for that station (also the ship's antenna in port).

SJRA "Harmonics"



March 26, 1992
 To: The Membership Committee
 From: Robert W. Wilcox, N3LIN
 Re: Application for Membership

First let me start off by thanking the Phil-Mont Mobile Radio Club, as a collective whole, for helping me acquire a license to operate an Amateur Radio Station. Between the code practice sessions that I monitored via the scanner, to the assistance I received from Bob (NS3Z) and Steve (W3UI) whenever I called the W3TKQ station at The Franklin Institute, it has been nothing but the best. Please accept my application for membership to your organization with the understanding that, at the present time, my availability for certain functions is limited by a serious leg injury. As the injury is being corrected through a surgical process, and my mobility progresses, so will my activity in the club.

Also, at Steve's suggestion, I was told to inform you of the fact that on Thursday, April 2nd, I am going to the Institute in an effort to upgrade my license class, and may be having a call sign change. Because of this highly probable event, he suggested that a badge not be made up until the new sign is received.

Again, let me take this opportunity to tell you how grateful I am to your group. Being able to get around on a very limited basis was a hard thing for me to deal with. Between learning a new and interesting hobby, and the overall great sense of humor displayed both in phone conversations and on-air talks, Phil-Mont has provided me with a priceless therapy. I hope to return as much of that good natured friendship with my enrollment in your club.

I am looking forward to hearing from you and hope to be accepted as a member.

5 March 1992
 Don Gordon, WB3KOJ

Hello Don, read your page 19 with interest as I was reading the March BLURB. I do read it every single month "APPLE BYTES" do jog the memory.

I see you now offer a new service whereby you can make changes to the directory information (birthdays, etc.).

I don't know by what authority you can do this, but maybe I would like to change my birthday. You see, for many years, my birthday has been on October 28. For some reason I do not get very many gifts or cards on that date. Perhaps if I could change, or you could change my birthday to another day, say around the middle of May, when folks are getting their tax refunds, I might fare better?

If you don't think it will help, just keep it 28 October. At least I can remember that!

Charlie, W3ZPP

Cruise on a LIBERTY SHIP!

The S.S. JOHN W. BROWN, last surviving Liberty Ship on the east coast, is offering the following five hour day cruises:

CAMDEN, NJ - May 17, 1992
 PHILADELPHIA, PA - May 23, 1992
 WILMINGTON, DE - MAY 31, 1992
 BALTIMORE, MD - SEPTEMBER 6, 1992

These exciting cruises will continue the highly successful format of the Inaugural Cruise Weekend, featuring:

- A welcoming continental breakfast, lunch and beverages, afternoon snacks.
- Tours of the ship (see our continuing progress in the BROWN's restoration).
- Dancing to the 40's music of the wonderful Ed Williams Big Band with vocals by Delores King Williams and the vocal trio "RPM."
- A wreath laying ceremony.
- WW II aircraft fly-bys and much more.

If you missed our Inaugural Cruises, we can assure you that these trips aboard the JOHN W. BROWN will be one of the most fun-filled, nostalgic events of your life. If you were lucky enough to be aboard the BROWN in September, 1991, join us again and relive the fun. It'll be even better!

YES! I want to make this unique and historic LIBERTY SHIP voyage.

CAMDEN - May 17, 1992 _____

PHILADELPHIA - May 23, 1992 _____

WILMINGTON - May 31, 1992 _____

BALTIMORE - September 6, 1992 _____

Cruise certificate - good for any 1992 cruise or any future cruise. _____

Donation for each guest.... \$100.

name _____ address _____
 zip _____

Check enclosed in the amount of _____ for _____ reservations. Please make checks payable to "Project Liberty Ship."

Mail to: PROJECT LIBERTY SHIP, P.O. BOX 25846 Highlandtown Station, Baltimore, MD 21224-0846.

Note: A total of \$70 is considered to be tax-deductible for each ticket purchased. Buyer eligible for JEREMIAH O'BRIEN cruise raffle.

DID YOU SEE HIM?

Phil-Mont's famous cartoonist was featured in a political advertisement seen on channel 3, speaking for Arlen Specter and his support for The Philadelphia Naval Shipyard!

Nice Job, Sam!

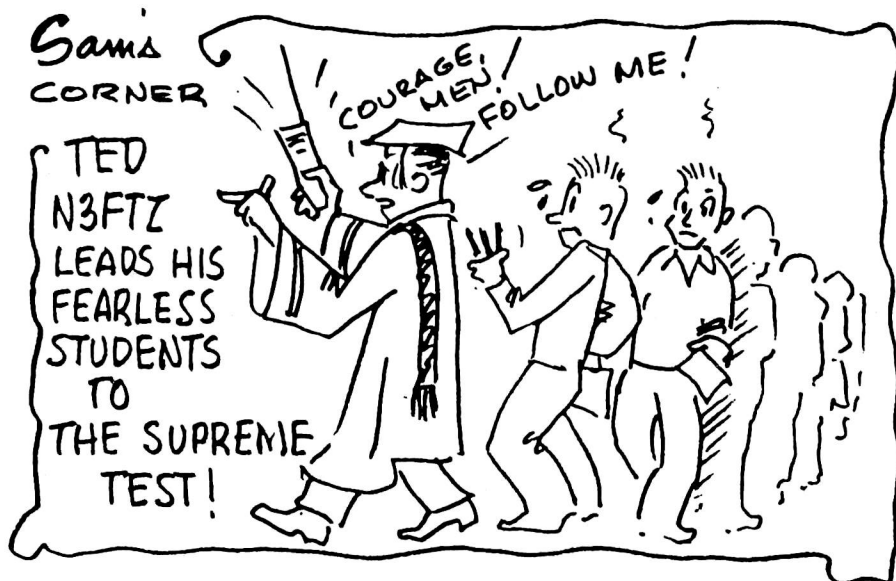
84TH MONTHLY VE SESSION STATISTICS APRIL

23 candidates take 40 elements
8 new amateurs and/or upgrades

VE team members:

Dusty Rhoads, ND3Q, Chairman

George Starks, AA2FU; Henry Mapps, K3DXI; Lee Pamplin, N3EKR;
Leo Leone, W3FZR; Steve Hoch, WU3I; Bob Forrester, NS3Z



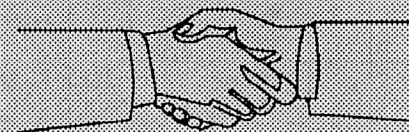
AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY THURSDAY OF EVERY MONTH
Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

**THE FRANKLIN INSTITUTE
SCIENCE MUSEUM**

For Information Call ND3Q at
(215) 482-0386 or 879-0505

Accessible by the handicapped.



NEW MEMBER APPLICATIONS

CALL: KB2ERL
NAME: Robert Nicotera
HANDLE: Bob
CLASS: Technician
ADDRESS: 41 Bryant Road
Turnersville, NJ
08012
HOME PHONE: (609) 227-2472
BUSINESS PHONE: (609) 389-6471
OCCUPATION: Auto Mechanic
INTERESTS: Net, Repeater, Special
Events, W3TKQ

CALL: N2JFF
NAME: Rick Apfel
HANDLE: Rick
CLASS: Technician
ADDRESS: 1306 S. 6th Street
Philadelphia, PA
19147
HOME PHONE: (215) 551-7551
BUSINESS PHONE:
OCCUPATION: National Park Ranger
INTERESTS: W3TKQ

CALL: N2JWQ
NAME: Conway Yee
HANDLE: Conway
CLASS: Technician
ADDRESS: 411 Blockley Hall
418 Service Drive
Philadelphia, PA
19104
HOME PHONE: (215) 386-1312
BUSINESS PHONE: (215) 662-6780
OCCUPATION: Graduate Student
INTERESTS:

CALL: N3LIN
NAME: Robert Wilcox
HANDLE: Bob
CLASS: General
ADDRESS: 5245 Hawthorne Street
Philadelphia, PA
19124
HOME PHONE: (215) 535-7355
BUSINESS PHONE:
OCCUPATION: Truck Driver
INTERESTS: Publicity, VE

The Olympia Radio Club will have in operation a special event station on May 2 & 3, commemorating the 94th anniversary of the battle of Manila Bay.

"DON'T TAILGATE—WAIT"—for the courtesy chime!

1992

MAY

1992

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3 AA2FU WB3JUA WT3X NS3Y KT3Z 2M NCS AK2I 10M NCS ANYONE 75M NCS W3PWG <i>License Class Graduates</i>	4 W3PWG NS3Z	5 N3ALW W2GMA WT3P CODE PRACTICE NET at 8 PM N3ALW	6 WA3AUN N3AXJ K3PHC K3VXU GENERAL MEETING at The Franklin Institute Refreshments at 7:00 PM Meeting starts after 7:30	7 AK2I LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 PM <i>shop!</i>	8 WU3I W3LKI NS3Z <i>VE Day</i> WU3I W3LKI NS3Z	9 N3GMH AG2H K3TEF NS3Y <i>Cherry Hill Hamfest</i> <div> Olympia Radio Club Special Event Operation </div>
10 AA2FU WB3JUA WT3X NS3Y KT3Z 2M NCS N3FTY 10M NCS ANYONE 75M NCS W3AOA <i>Mothers's Day</i>	11 W3PWG NS3Z	12 N3ALW W2GMA WT3P CODE PRACTICE NET at 8 PM AK2I	13 WA3AUN N3AXJ K3PHC K3VXU	14 N3FVI AK2I	15 WU3I W3LKI NS3Z	16 N3GMH AG2H K3TEF NS3Y <div> SJRA Special Event Operation aboard the Liberty Ship JOHN W. BROWN </div> <i>Armed Forces Day</i>
17 AA2FU WB3JUA WT3X NS3Y KT3Z 2M NCS K3JJO 10M NCS ANYONE 75M NCS W3RCE <i>Warminster Hamfest</i>	18 W3PWG NS3Z	19 N3ALW W2GMA WT3P CODE PRACTICE NET at 8 PM W3RM	20 WA3AUN N3AXJ K3PHC K3VXU DIRECTORS' MEETING	21 AK2I	22 WU3I W3LKI NS3Z	23 AG2H K3TEF NS3Y <i>Liberty Ship John W. Brown Cruise on the Delaware</i>
24 AA2FU WB3JUA WT3X NS3Y KT3Z 2M NCS NS3Y 10M NCS ANYONE 75M NCS AK2I	25 W3PWG NS3Z <i>Memorial Day</i>	26 N3ALW W2GMA WT3P CODE PRACTICE NET at 8 PM N3ALW	27 WA3AUN N3AXJ K3PHC K3VXU  OPERATORS' NET at 8 PM	28 N3FVI AK2I	29 WU3I W3LKI NS3Z	30 AG2H K3TEF NS3Y
31 AA2FU WB3JUA WT3X NS3Y KT3Z 2M NCS W3BBBBBBBBBBB 10M NCS ANYONE 75M NCS W3HFY			<i>Trouble is usually produced by people who produce little else.</i>			